ISSN 0226-6547

Government Publications

TELIDON REPORTS

No 9 June 1982

Government of Canada
Department of Communications

Gouvernement du Canada
Ministère des Communications

CA1
C6
-T26

CONTENTS PAGE

Fox announces 52 IISP projects.....1
IISP projects and descriptions...13-21
Systemhouse forms videotex group.....2
NORAD base will use Telidon system...3
Pioneering Telidon companies merge...3
New Infomart/Times Mirror venture....4

Edmonton consulting firm opens.....4
Grassroots adds new services.....4
Telidon art contest in Victoria 5
BC Tel focuses on business 6
New Telidon standards published.....7
The Telidon Book now available.....7
Education liaison officer appointed..8

U. of Waterloo Telidon software.....8
Telidon software for IBM Personals...9
Telidon robots roll into the market..9
U.S. Videotex industry association..10
iNET names information providers....10
WETA Teletext enters Phase II 11
Videonet launched in Australia 12
Note to subscribers.....12

FOX ANNOUNCES 52 IISP PROJECTS

Communications Minister Francis Fox has announced 52 Telidon projects that have qualified to receive a total of $9.5 million in assistance under the Telidon Industry Investment Stimulation Program (IISP). The funding will pay for terminals to be used in the projects, which will be operated by private companies, crown corporations, non-profit organizations and educational institutions.

Project operators must agree to match the DOC contribution by purchasing an equal number of terminals. About 8,500 terminals will be installed under the program.

The qualifying organizations have proposed Telidon services ranging from business systems to computer-assisted learning and health programs. The applicants have suggested a number of ways to deliver their Telidon services. Some will operate over telephone lines, while others will employ cable, microwave, satellite or broadcast teletext signals.

(Continued, page 2)

This newsletter is published on an irregular basis by the Informatics Applications Management branch of the Department of Communications. Free subscriptions from TELIDON, Room 1706, Journal Tower South, 300 Slater St., Ottawa, Ont., K1A 0C8, Canada.
Subscriptions: Pierrette Tower.
Editor: P.Kinsman-Information Services (613) 995-1323.

La version française de ce bulletin peut être obtenue gratuitement auprès du Programme TÉLIDON, Ministère des Communications, Pièce 1706,
Tour Journal sud,
300, rue Slater, Ottawa (Ontario)
Canada K1A 0C8.
Pierrette Tower (613) 593-6330.

LIBRARY
AUG 17 1982
UNIVERSITY OF TORONTO

NEW INFOMART/TIMES MIRROR VENTURE

Infomart of Toronto and Times Mirror Videotex Systems of Los Angeles have formed a new company to sell Telidon systems to U.S. videotex operators.

The joint venture, owned equally by the two companies, combines Infomart's expertise in system design, software development and page creation with the marketing ability of Times Mirror, Infomart President David Carlisle said. Times Mirror has extensive holdings in publishing, cable television and related communications undertakings. Infomart, a joint venture of Torstar Corporation and Southam Inc., is an electronic publishing and data base search service.

The new U.S. marketing venture was announced at a ceremony in Toronto attended by Canadian Communications Minister Francis Fox; Robert Erburu, President of The Times Mirror Company; Beland Honderich, Chairman of Torstar; and Southam President Gordon Fisher.

"We expect this joint venture will generate at least 20 sales of Telidon systems in the United States during the next three years," Carlisle said. The new venture will also operate its own Telidon systems in conjunction with local firms associated with the Times Mirror Company.

The first of these will be the Times Mirror home videotex service, to begin operation in Los Angeles and Orange counties in March 1982. The number of terminals for the service has been increased to 350. It will operate over cable and phone lines and offer information from The Los Angeles Times as well as a number of transactional services, such as tele-shopping from Sears, tele-banking from the Bank of America, reservations for sports events and plays via Ticketron, and a gateway to airline reservation services.

For more information, contact
Neil Baird,
Infomart,
164 Merton St.,
Toronto, Ont. M4S 3A8
(416) 489-6640

EDMONTON CONSULTING FIRM OPENS

Alphatel Systems Ltd., a consulting firm specializing in Telidon systems and other computer applications, has begun operations in Edmonton. Formed in December 1981, Alphatel will focus on teleconferencing applications and training programs for businesses and educators.

"Our key thrust is to provide participant training in the use of Telidon," said Bob Abell, president of the new company.

Alphatel runs seminars for teachers on the use of microcomputers in classrooms. Abell was hired to evaluate the Alberta Correspondence School Telidon field trial, scheduled to end in April this year.

For more information, contact
Bob Abell, President,
Alphatel Systems Ltd.,
Suite 1840, 10123 99 St.,
Edmonton, Alta. T5J 3H1.
(403) 420-1515.

GRASSROOTS ADDS NEW SERVICES

The Grassroots videotex service for Manitoba farmers is growing steadily, with about 500,000 page accesses per month, says Infomart spokesman Bruno Leps. More than 320 terminals are now

in operation in the province. Infomart predicts 1,500 terminals in use by the end 1982.

Grassroots was developed by Infomart in co-operation with the Manitoba Telephone System, the Manitoba Ministry of Agriculture, and the federal Department of Communications. The service has been so successful that a California publisher has signed an agreement with Infomart to create a similar system in the San Joaquin Valley.

Several new information packages and interactive services will be added to the Winnipeg data base this year, says Infomart spokesman Ron Larocque. "Our research indicates that one of the principle benefits of videotex for the modern farmer is as a decision-making tool," Larocque says.

Among the new features planned for Grassroots this year are wire reports from Broadcast News, the Toronto Stock Exchange and the Chicago Board of Trade and 20 new interactive farm management functions, including a "Combine break-even calculator" and "Least-cost feed formulations."

These will allow farmers to enter variables related to their farms and calculate operating costs and optimal use of equipment, fertilizers, and so on. Messaging services will also be added this year, Leps says. "We expect Grassroots will be a 20,000-page data base by the end of '82 with 20 per cent of the pages updated on a daily or weekly basis."

Expansion of the Grassroots service to province-wide operation will be aided by the federal government through the Telidon Industry Investment Stimulation Program. The grant to MTS was announced by Communications Minister Francis Fox in January.

Subscribers lease integrated Telidon sets from MTS for $47.50 per month and pay a toll charge of five cents per minute to access the Winnipeg data base from anywhere in the province. There are no long distance charges for users in Manitoba. Those outside the province who wish to use the Grassroots service pay regular long distance or datapac rates and an annual subscription fee of $500. The fee includes five hours a month of Datapac time.

For more information, contact
Bruno Leps or Ron LaRocque, Infomart,
Suite 511, 1661 Portage Ave.,
Winnipeg, Man., R3J 3T7.
(204) 772-9453.
Or: Carolyn Rickey,
Manitoba Telephone System,
P.O. Box 6666,
Winnipeg, Man., R3C 3V6
(204) 947-7779.

TELIDON ART CONTEST IN VICTORIA

ARTelidon '81, a competition to create Telidon graphics, was held in Victoria in October. Local artists were invited to take part in the event, which was organized by Ernest Chang of the University of Victoria's Department of Computer Science.

Each of the 21 participating artists was given two hours to create an image on an Apple II information provider system run on software developed by Chang. His Picture Creation System software allows an Apple II microcomputer with two disk drives and a graphics tablet to create the image, and a Telidon user terminal to display it. The program language was UCSD PASCAL.

Ten terminals and page creation systems were provided by the contest sponsors, AEL Microtel, PACE Computers, the KNOWLEDGE network of B.C., ITG Inc. and the federal Department of Communications. Sponsors also provided prizes of $400 for best images in an open category and the theme category, "Communications and Education." Entries were judged by the artists.

The winner in the open category was Lis Erling's four-minute sequence of rectangles of different colors and fill patterns. Paul Nystadt won the theme category with a sequence of mountain landscapes followed by a sun rising, turning into a satellite broadcasting to a dish antenna that in turn relayed the signals to a human head.

An Apple-readable diskette of entries, which can be displayed on an Apple II computer with a PASCAL system, serial card and Telidon terminal, is available on loan at shipping cost. A videotape presentation is also available on loan from the University of Victoria for a small fee.

For more information, contact
Ernest Chang,
Dept. of Computer Science,
University of Victoria,
P.O. Box 1700, Victoria, B.C. V8W 2Y2.
(604) 721-7232.

BC TEL FOCUS ON BUSINESS APPLICATIONS

British Columbia Telephone's videotex service for businesses and institutions in Vancouver and Victoria is underway with 125 terminals in operation. BC Tel will spend $3 million on the trial over an eight-month period ending in July, 1982. The terminals are provided free to particpating organizations to develop new Telidon applications.

Participants include hotels, advertisers, libraries, museums, banks, commodities dealers, forestry companies, schools, retail stores, and provincial and federal governments. Terminals are located in offices and public places. The system offers electronic messaging and a gateway to other data base services, including Marketscan (a stock market information service from the Toronto Globe and Mail), Grassroots from Manitoba, and the Department of Communications demonstration data base in Ottawa.

BC Tel has developed a new software package that allows subscribers to use either Telidon or standard ASCII business terminals. ASCII terminals cannot display Telidon's advanced color graphics, but by stripping out the Telidon Picture Description Instructions, the host computer allows the ASCII users to receive textual information from Telidon data bases. This also means hard copies of the text (but not graphics) can be made on low-cost printers.

The B.C. Tel system also permits users to obtain information with key-word access, using alphanumeric keypads or keyboards. The Telidon terminals are built by Norpak and AEL Microtel Ltd. Dominion Directory and Canada Videotex Services are major page creators.

For more information, contact
Ron Payne, The Telidon Project,
British Columbia Telephone Company,
7-3777 Kingsway,
Burnaby, B.C. V5R 5W2
(604) 432-3053

NEW TELIDON STANDARDS PUBLISHED

Enhanced technical standards have been developed for Telidon by the Department of Communications to incorporate new features compatible with the protocols announced by American Telephone and Telegraph last May in Toronto at Videotex '81. A committee of experts from DOC has reviewed the new standards, which will be published as CRC Technical Note 709-E, replacing the earlier publication, 699-E. The document will be available in English and French this Fall.

The new document is titled Telidon. Videotex Presentation Level Protocol: Augmented Picture Description Instructions. The authors are C.D. O'Brien, H.G. Bown, J.C. Smirle, Y.F. Lum and J.Z. Kukulka.

Telidon enhancements incorporated in the new standard include:

--Color mapping, which offers a selection of 4,096 colors, of which any 16 may be displayed on the same page simultaneously.

--Dynamically Redefinable Character Sets (DRCS). This feature allows for a Random Access Memory (RAM) where the user can store up to 96 new character shapes such as foreign alphabets. These DRCS characters can be down-loaded to the user terminal by the information provider.

--Macro PDI's. This feature allows coded instruction sequences for special elements (such as company logos) to be automatically repeated by the user terminal.

-- Incremental points, lines, and polygons allow the image to be transmitted or displayed one point or element at a time. This is useful for common visual space applications as well as free-hand sketching and signatures.

-- Alpha-Mosaic PDI's. These allow the terminal to translate and display some types of alphamosaics.

Neither the DRCS nor alphamosaic modes proposed in DOC's 709 or similar AT&T or CBS standards are compatible with current European standards for DRCS or alphamosaic systems.

Andrej Tenne-Sens, Senior Technical Adviser to the Director General of Informatics Applications Management at DOC, described the publication of the new standard as an important step in the move towards adoption of the enhanced Telidon format as the North American standard for videotex. He noted that Canadian manufactures will have enhanced Telidon systems on the market early this summer.

Copies of CRC Technical Note 709 can be ordered from
Pierrette Tower
Telidon Publications, Room 1706
Department of Communications
Journal Tower South
300 Slater St.
Ottawa, Ont. K1A 0C8
(613) 593-6330

"THE TELIDON BOOK" NOW AVAILABLE

The Telidon Book, edited by University of Victoria professors David Godfrey and Ernest Chang, is now available. The book includes a general description of Telidon, followed by detailed chapters on hardware, software, data base design and management, page crea-

tion and market development. The price is $30. More than 2,000 copies had been sold by the end of February. Discounts are available on orders of more than 10 copies from Beaverbrook Distributing Company in Toronto.

A spokesman for the publisher, Porcépic Press Ltd., said U.S. rights for The Telidon Book have been sold and orders from other countries are being taken.

The publisher also announced that it will publish a third, revised edition of Gutenberg II, the earlier work on electronic publishing and information technology written by Godfrey and D.F. Parkhill, Assistant Deputy Minister, Research, of DOC.

For more information, contact
Porcépic Press,
217-620 View St.,
Victoria, B.C., V8V 1J6.
(604) 381-5502.

EDUCATION LIAISON OFFICER NAMED

Following a recommendation from the Canadian Videotex Consultative Committee's sub-committee on education, the Department of Communications has created a new position in the Informatics Applications Management Directorate to help the sub-committee meet its objectives. Nicky Eichler, formerly Director of Continuing Education in the Applied Arts Division of Algonquin College in Ottawa, has been appointed to the new position.

For more information, contact
Nicky Eichler
Room 1762, Journal Tower South,
Department of Communications,
300 Slater St., Ottawa, Ont. K1A 0C8.
(613) 995-4743.

U. OF WATERLOO OFFERS SOFTWARE

The Computer Communications Network Group at the University of Waterloo has created a campus-wide Telidon service with 30 Electrohome integrated user terminals and a data base of more than 1,000 pages. The university has also developed a new software package that allows several unique videotex services, including electronic messaging, global page labels, and private page labels.

With global page labels, the user can travel from one section of the data base to any other simply by typing an appropriate word. Unlike many keyword systems, the user does not have to return to an index page to begin a search.

Private page labels are similar to electronic book marks. They allow the user to assign personal codes to frequently read pages and return to those pages instantly, from any part of the data base, simply by typing the personal codes. The codes are known only to the user, and many users may use different codes to mark the same page.

The data base includes information on mathematics, arts, correspondence programs and other courses. The university will explore new educational applications, and is particularly interested in Telidon's potential as a supplement to correspondence courses. The system will also be used to inform visitors and high school students about the university and its programs, to assist lecturers and speakers, and in computer-aided learning programs.

Communications for the campus network are facilitated by a Gandalf private

automatic branch exchange (PABX). The university will sell or lease its Telidon software to other system operators. The software was designed for UNIX operating systems on Digital Equipment of Canada VAX or PDP-11 computers.

For more information, contact
Eric Manning,
Computer Communications Network Group,
University of Waterloo,
Waterloo, Ont. N2L 3G1.
(519) 885-1211 ext. 3509.

TELIDON SOFTWARE FOR IBM PERSONALS

A Calgary firm has introduced a software package that allows IBM Personal microcomputers to be used for Telidon videotex applications. Wayne Taylor and Peter Richardson, partners in Tayson Information Technology Inc., are selling their basic IBM software package for $900, and are developing more complex packages for specialized Telidon applications. An IBM Personal equipped with one disk drive and the Tayson software can serve as host computer for a 1,000-page Telidon data base and drive a Telidon user terminal, a TV receiver or a video projector.

In recent demonstrations of the system in Ottawa, Taylor used an IBM micro with an AEL Microtel integrated user terminal. After loading the program diskette, he was able to control the micro with the keypad from the Telidon terminal, eliminating the need for a separate keyboard on the micro. Using specially-formatted Telidon pages, Taylor showed that the user could update text and graphics with a keypad.

Taylor noted that about 500 pages can be stored on an IBM diskette, allowing the user to create information modules such as company reports. Diskettes can be stored under lock and key, or carried from one location to another by hand, thus guaranteeing security of the information.

The Tayson system is compatible with other Telidon systems. It can be used as a stand-alone data base or, with a modem, as a remote data base. The user can also access other Telidon data bases, retrieve pages and store them in the IBM system.

Tayson is aiming at the business market and expects the system will be used for sales presentations, briefings, interactive training packages, monthly reports, company manuals and other applications. Special applications software now under development includes an electronic billboard program that will display graphics at a higher speed and allow split fields on the display.

In addition to software sales, Tayson is offering page creation services and consulting services in system design, purchasing and implementation.

For more information, contact
Wayne Taylor,
Tayson Information Technology,
P.O. Box 30104, Station B
Calgary, Alta. T2M 4N7.
(403) 230-5998.

IT WALKS, IT TALKS, IT TELIDONS

An Ottawa company has begun leasing a line of walking, talking promotional robots equipped with Hemton Electronic Projector System Telidon terminals. The Telidon display, mounted in the "head" of the robot, is one of several options offered by The Robot Factory.

Company spokesman John Morris says the Model Six robot, which vaguely resembles R2-D2 of Star Wars, can be programmed to display a series of pages stored in the Hemton unit, or can be linked by radio to a remote data base. A keypad can be mounted on the robot, or the pages can be called up with a keypad by a remote operator. Model Six robots can be programmed to follow a pre-determined circuit and recite a pre-taped patter, or be controlled by a hidden operator with a microphone.

The Robot Factory's Model Six has been used in Canada and the U.S. for trade show and shopping centre promotions by car dealers, broadcasters, electronics manufacturers and others, Morris says. The company will tailor its robots to the client's request. Options include video-tape recorders, micro-computers, business-card and literature dispensers, air horns, balloon inflators and other assorted bells and whistles. The company leases several types and sizes of promotional robots and is now developing industrial machines.

For more information, contact
John Morris,
The Robot Factory of Canada,
130 Albert St. Suite B-6,
Ottawa, Ont. K1P 5G4.
(613) 235-7545.

U.S. VIDEOTEX INDUSTRY ASSOCIATION

The recently-formed Videotex Industry Association (VIA) of the United States has elected a 13-member board of directors from among representatives of some 50 companies. Larry T. Pfister, formerly of Telidon Videotex Systems, the subsidiary formed by Infomart in 1981 in Stamford, Con., was elected chairman of VIA. Gary Arlen, publisher of Videotex Teletext News, is the new vice-chairman; Michael Cavanagh of Cavanagh Associates, Washington, D.C., is treasurer; and Washington, D.C., lawyer Howard Liberman, is secretary.

Directors are Sam Berkman of AT&T, Andrea Daggres of International Interact, Graeme Keeping of Source Telecomputing, Hadassa Gerber of McCann-Erickson, Richard Gingras of KCET-TV (Los Angeles), Ann Hardy of Tymshare, Henry Heilbrunn of the Associated Press, Bruce Sanderson of Cox Cable, Gary Stein of PlayCable, and Richard Veith of Logica.

The association was formed to represent the interests of the videotex industry and to promote videotex and teletext development in the U.S. Membership dues range from $250 to $3,000, depending upon the size and activity of the applicant.

For more information, contact
Jack O'Grady,
Videotex Industry Association,
2000 L St. NW, Suite 200,
Washington, D.C. 20039.
(202) 547-3581

iNET INFORMATION PROVIDERS NAMED

A wide range of information providers will participate in the iNET trial which begins operations in July, 1982. Sponsored by the Computer Communications Group of the TransCanada Telephone System, iNET is an intelligent network and electronic directory service that allows users to access a number of data banks with a single call to a central gateway computer.

During the trial, 250 Telidon terminals and 150 alphanumeric terminals will have access to the service. All

400 terminals will be in business or institutional settings. The trial is to run until July 1983, at which time CCG hopes to start commercial service.

Information providers for the trial include Canada Systems Group, the Canadian Press Newstex service, Info Globe, Concord Publishing, Infomart, Informatech, I.P. Sharp Associates, Official Airline Guides, QL Systems, and The Financial Post.

The federal government's Task Force on Service to the Public data base and Telidon data bases operated by NB Tel, Bell Canada and BC Tel will also be accessible.

Users of the service will include A.E. LePage Ltd., Calladine & Baldry, the Canadian Broadcasting Corporation, Gulf Canada, the Quebec Ministry of Justice, and the Royal Bank of Canada. The National Library of Canada and other public and educational libraries will also participate.

"iNET offers a full shopping list of vendors and information and eliminates the need for expert knowledge of computers," says John Farrell, director of the Computer Communications Group. "The network intelligence performs many functions for the user and even stores the level of expertise the user possesses as an aid to the nov- ice. iNET will make it almost as easy as dialing a telephone for those seek-ing information."

For more information, contact
Ruth Foster,
Computer Communications Group,
TransCanada Telephone System,
Room 1150, 160 Elgin St.,
Ottawa, Ont. K1G 3J4.
(613) 567-3748.

WETA TELETEXT ENTERS PHASE II

The WETA Telidon teletext field trial in Washington, D.C. entered a new phase in January with a shift from hard news to news analysis, community information and video art.

Project director Red Burns said the new emphasis will be on analysis of news and events in and around the capital. The service has been re-designed to offer different content, new page formats and quicker access to pages.

Hard news was one of the most popular types of information in the first phase of the trial. User statistics showed that news, entertainment and weather pages were among the most widely read in the service.

Started in June, 1981 by the Alternate Media Center of New York University's School of the Arts, the trial involves 50 specially designed Norpak decoders with built-in recorders to keep track of users' viewing patterns. Ten terminals are in public places and 40 are in residential settings.

The teletext pages are broadcast in the Vertical Blanking Interval of the regular program signal of the Public Broadcasting Service station. They are decoded by a Norpak terminal attached to the TV set. For this trial, the teletext data is transmitted at a rate of 4.3 megabits per second, somewhat slower than the 5.7 megabits per second proposed in the Telidon-CBS-AT&T North American broadcast standard. At the end of the initial phase, the WETA teletext cycle comprised an average of 130 pages. Despite a high proportion of graphics, the average number of

bytes per page was only 800. The most complex graphics page in the cycle was the national weather map, containing about 2,300 bytes.

The Post, which updated news pages for the service from a terminal in its newsroom via a phone link to the Alternate Media Centre, will not be providing pages during Phase II. The newspaper is now investigating commercial teletext applications.

For more information, contact
Michele Hilmes,
Alternate Media Center,
New York University School of the Arts
725 Broadway,
New York, New York 10003.
(212) 598-2853.

VIDEONET LAUNCHED IN AUSTRALIA

A new Telidon system has been developed by Myer Emporium Ltd. of Melbourne to serve businesses throughout Australia. The system was unveiled in April at a special media demonstration coinciding with the Technology in the World of Travel and Tourism symposium held in Syndey. The demonstration system, developed with the assistance of a number of Canadian companies, will be shown throughout Australia to attract subscribers to Videonet, which will begin commercial operations in the near future.

Videonet will be operated by Myer Communications, a subsidiary of The Myer Emporium Ltd., and will use Telidon technology to provide business information and communications services to subscribers in Australia and other parts of the South Pacific.

The Videonet demonstration system was organized and developed by Systemhouse of Ottawa. Other Canadian firms participating in the project included AEL Microtel Ltd. of Burnaby, B.C., Dominion Directories Ltd. of Vancouver and Infomart of Toronto.

The Canadian companies provided equipment on loan, software, personnel training, and consulting services in data base design, system design, and page creation. Some members of the Videotex Informtaion Service Providers Association of Canada (VISPAC) also donated pages to Videonet for demonstration purposes.

Information providers for the Sydney demonstration included leading airlines, travel agents, resort operators and travel publishers.

NOTE TO SUBSCRIBERS

In order to eliminate duplicated and/or unsolicited subscriptions to Telidon Reports, all subscriptions will terminate with this issue. If you wish your free subscription to continue, please complete the following form or return the mailing label from this issue and mail, by Aug. 15, to:

Telidon Reports
Subscriptions, Room 1706,
Journal Tower South, 300 Slater St.,
Ottawa, Ont., K1A 0C8, Canada.

Name:

Organization:

Street:

City/Town:

Province: Postal code:

QUALIFIED APPLICANTS
INDUSTRY INVESTMENT STIMULATION PROGRAM

A.E. LePage (Ontario)
Shirley Rose, Operations Manager
50 Holly St.
Toronto, Ontario
M4S 2G1
Telex:)524591 Teltex Tor
Tel. (416) 484-6141

Project Name: Information Centre

Project Description: Real estate and housing information in existing Bell-Vista data base will be extended.

Algonquin College
T.G. McGovern
Department Head Media Studies
1258 Woodroffe Avenue,
Nepean, Ontario
K2G 1N8
Telex: 0533787 Algqn Coll Ott
Tel. (613) 725-7329

Project Name: Videotex - Algonquin

Project Description: To establish and deliver courses in videotex page creation for students in the advertising, broadcasting and commercial arts fields.

Agora-Laboratoire de Télématique
M. Cartier, Directeur de Projet
C.P. 8888, Station A
Montreal, Quebec
H3C 3P8
Telex: 05560663 Teltex Mtl
Tel. (514) 282-3559 282-4531

Project Name: Agora

Project Description: To establish an "electronic journal" for three groups in Montreal: the Italian community, the handicapped and electronic specialists who will participate in the creation of the project

Athabasca University
D.W. Cowper, Director
Computing Services
12352 - 149 Street
Edmonton, Alberta
T5V 1G9
Telex: 03741714 Atha U EDM
Tel. (403) 452-9990

Project Name: Athabasca University UNIX Telidon Project

Project Description: To provide information about university services and courses in seven locations remote from the university and to test the on-line facilities for remote education services in Alberta.

B.C. Telephone Co.
R.D. Payne, Manager
3777 Kingsway
Burnaby, British Columbia
V5H 2Z7
Telex: 04508501
Tel. (604) 432-2151

Project Name: Business Field Trial

Project Description: Commercial market field trial with terminals to be placed in business, public, university and special interest group locations.

Bradson Mercantile
David Christensen, Manager
Box 5152, Station F
Ottawa, Ontario
K2C 3H8
Tel. (613) 238-8005

Project Description: To provide an information base and communications network, tied in with Informart as systems operator, for the eleven member associations of the Canadian Hospital Association.

Cablefax
J. McLauchlan, Vice-President
12 Sheppard Street
Toronto, Ontario
M5H 3A1
Telex: 06524591 Teltex Tor
Tel. (416) 362-1939

Project Name: Marketfax

Project Description: A Telidon-based, graphically displayed market analysis information network. Stock market data over 100 days is analyzed against a number of criteria and displayed graphically.

Canadian Broadcasting Corporation
M. Morais, Director
Corporate Teletext Project
1500 Bronson Avenue
Ottawa, Ontario
K1G 3J5
Telex: 0534260 Ott.
Tel. (613) 284-2614

Project Name: Teletext Field Trial

Project Description: To promote teletext technology using the CBC English & French network in order to distribute teletext services to 1400 homes in Montreal, Toronto and Calgary.

Canadian Hospital Association
P. Brown, Executive Vice-President
410 Laurier Ave. W.
Suite 800
Ottawa, Ontario
K1R 7T6
Telex: 0534191 Teltex Ott
Tel. (613) 238-8005

Project Name: Videotex for Health Care

Project Description: To provide an information base and communication network, tied in with Infomart as systems operator, for the eleven member associations of the Canadian Hospital Association.

CVS - Canada Videotex Systems Ltd.
D.Finnigan,Chief Executive Officer
1423 Howe Street
Vancouver, British Columbia
V6Z 1R9
Telex: 04508501 Teltex Vcr
Tel. (604) 682-7517

Project Name: VISP

Project Description: To initially create pages and leter expand to be a systems operator providing information in the business, government, medical and educational areas.

Cariboo College
C.W. Brewster, Principal
900 McGill Road
Kamloops, British Columbia
V2C 5N3

Tel. (604) 374-0123

Project Name: Telidon in Instruction

Project Description: To investigate the use of Telidon in vocational, technical and university courses in six subject areas. The system would link Telidon with Apple computers.

Danielson Research Consultants
R.R. Danielson, President
217 Maik Avenue
Sudbury, Ontario
P2E 23
Telex:
Tel. (705) 675-151 ext. 530

Project Name: Lifestyles, Leisure & Sports
Project Description: A page creation and database service designed to provide data about sports training, injury prevention and physical education in both French and English. Potential users included Sports Canada, universities, coaches, sports clubs and athletes.

Dominion Directory Co.
A.M. Mattrick, Marketing Manager
4400 Dominion Street
Burnaby, British Columbia
V5G 4G4
Telex: 04508501 Teltex UCR
Tel. (604) 438-5535

Project Name: Telidon

Project Description: To establish a page creation business in the British Columbia market

The Genesys Group
Gunter Kurz, Manager
1755 Courtwood Crescent-3rd Flr.
Ottawa, Ontario
K2C 3J2

Tel. (613) 226-8740

Project Name: Banking

Project Description: To develop, supply and install a Telidon-based information system as part of an electronic banking and financial information system designed to serve bank customers.

The Genesys Group
Gunter Kurz, Manager
1755 Courtwood Crescent-3rd Flr.
Ottawa, Ontario
K2C 3J2

Tel. (613) 226-8740

Project Name: Cable TV

Project Description: To demonstrate commercial viability of generating and distributing Telidon-based information via satellite for the U.S. Broadcast/cable industry.

The Genesys Group
Gunter Kurz, Manager
1755 Courtwood Crescent-3rd Flr.
Ottawa, Ontario
K2C 3J2

Tel. (613) 226-8740

Project Name: Real Estate

Project Description: To demonstrate the feasibility and viability of a real-estate data base administered by a city-wide real estate board.

The Genesys Group
Gunter Kurz, Manager
1755 Courtwood Crescent-3rd Flr.
Ottawa, Ontario
K2C 3J2

Tel. (613) 226-8740

Project Name: Teleshopping

Project Description: To demonstrate the feasibility and viability of Telidon as an in-house information system for a large supermarket chain and to investigate the application of Telidon for supermarket teleshopping

The Hemton Group, Norpak Corp.
Stanley Berneche
10 Hearst Way
Kanata, Ontario
K2L 2P4
Telex: 053-4174
Tel. (613) 592-4164

Project Name: Page Creation/Cost Reduction
Project Description: To expand present page creation capacity and develop computer-based library of Telidon graphics which as a result of their ease of access, would reduce the cost of page creation.

Infomart
Nel Baird
164 Merton St.
Toronto, Ontario
M4S 3A8
Telex: 0622111 Infomart Tor
Tel. (416) 489-6640

Project Name: Teleguide

Project Description: 2,000 terminals will be used to provide visitors, potential visitors, and residents of Ontario with a large volume of current information about places, activities and service in Toronto.

Key Publishers Co.
D. Diamond
59 Front Street East
Toronto, Ontario
M5E 1B3
Telex: 06524591 Teltex Tor
Tel. (416) 364-3333

Project Name: Videokey

Project Description: To create Telidon pages providing information about entertainment, restaurants, shopping, etc. as published presently in "What's On In Ottawa" and "Key to Toronto" and similar key publications.

Laurentian University
F.J. Turner
Vice-President Academic
Ramsey Lake, Ontario
P3E 2C6

Tel. (705) 675-1151

Project Name: Telidon & Laurentian

Project Description: a five-phase program to support education in remote places in Northern Ontario using microwave and satellite communication links. The program will be bilingual and focus on mining, library, noticeboard and course outline information

The London Free Press
Peter White
President
369 York Street
London Ontario
Telex: 0645837 Free Press Ldn
Tel. (519) 679-1111

Project Name: Videopress

Project Description: Large screen electronic billboards plus touch-screen user terminals to display advertising, news and community information in shopping malls.

Loyalist College of Applied Arts and Technology
A.J. Knowles, Chairman,
Videotex Dept.
Box 4200, Belleville, Ont.
K8N 5B9
Tel. (613) 962-9501

Project Name: Videotex Training Centre

Project Description: To establish and operate an industrial training facility including courses on page creation, videotex marketing and maintenance support.

Manitoba Telephone System (MTS)
S.G. Anderson
Assistant General Manager
489 Empress Street
Winnipeg, Manitoba
R3C 3V6
Telex: 0755949 MTS WPG
Tel. (204) 947-7554

Project Name: Grassroots

Project Description: Using Winnipeg Infomart Database, MTS leases terminals through- out Manitoba to farmers, agricultural representatives, grain and other cooperatives, financial institutions, etc.

Manitoba Telephone System (MTS)
S.G. Anderson
Assistant General Manager
489 Empress Street
Winnipeg, Manitoba
R3C 3V6
Tel. (204) 947-7554

Project Name: Network Surveillance

Project Description: To provide a centre to monitor, control and administer all MTS network equipment , using Telidon in an industrial graphics environment.

Marlimage Inc.
D. Marleau, President
2335 Sherbrooke St. W.
Montreal, Quebec
K2C 3L3
Telex: 0534191 Teltex Ott
Tel. (514) 931-2250

Project Name: Marlimage Videotex Service

Project Description: Videotex page creation service. Development of new databank offering updating, translation and tailormade software packages.

Matrix Information Systems
D.C. Thompson, Vice-President
1760 Courtwood Crescent
Ottawa, Ontario
K2C 3L3
Telex: 0534191 Teltex Ott
Tel. (613) 226-7701

Project Name: Matrix Information Systems

Project Description: To establish and operate a page creation service linked to advertising.

Mediatex/Edimedia Inc.
P.A. Audet, President
390 St-Vallier St., East
P.O. Box 1542
Québec, Québec
G1K 7J3
Tel. (418) 923-8111

Project Name: Mediatex

Project Description: To install 1,000 terminals in Quebec to distribute general information and tele-education services.

Mitel Corporation
J. Mackie, Marketing
P.O. Box 13089
Kanata, Ontario
K2K 1B3
Telex: 0534596 Mitel Corp Ott
Tel. (613) 592-2122

Project Name: SX-2000 Telidon

Project Description: Creation of an integrated unit combining Mitel SX-2000 Superswitch with Telidon terminals to provide self-taught instructional training about the SX-2000 unit.

National Museum of Man
M. Carroll
Ottawa, Ontario
K1A 0M8
Telex: 0534191 Teltex Ott
Tel. (613) 993-0881

Project Name: Telemuse

Project Description: Page creation for museum programs, provision of pages for public data bases and a system to enhance inter-museum co-ordination and co-operation.

National Museum of Science and Technology
T. Paull, Telidon Project Director
1867 St. Laurent Blvd
Ottawa, Ontario
K1A 0M8
Telex: 0534191 Teltex Ott
Tel. (613) 998-9520

Project Name: Public Access Database

Project Description: To prepare and operate a national data base for museums (initially federal but later provincial museums) in order to test the use of Telidon in an exhibits setting.

New Brunswick Telephone Co.
A.C. Pendleton
Manager, Advanced Services
1 Brunswick Square
P.O. Box 1430
Saint John, New Brunswick
E2L 4K2
Tel. (506) 648-02340

Project Name: Fishnet

Project Description: To provide up-to-date information on all aspects of the fishing industry via Telidon including fish stocks by type, regulations and other information of interest to all Atlantic fishermen.

Newfoundland Telephone
R.A. Newell
Manager, Corporate Planning
Fort William Building
St. John's Newfoundland
A1C 5H6
Telex: 0163191
Tel. (709) 739-2001

Project Name: Tourism Newfoundland

Project Description: To provide a data base and required terminals to operate a public information display system to promote tourism. Terminals will be placed in parks, historic sites and chalets.

Premier Cablesystem
R.W. Peake
V.P. Operating Engineering
1090 West Georgia St., Suite 200
Vancouver, British Columbia
V6E 3Z7
Telex: 04508501 Teltex VCR
Tel. (604) 682-8411

Project Name: Augmented Channel Services

Project Description: The first stage is to offer subscribers information including consumer, transportation and TV program details. Later stages include several Telidon-based channels.

Quebec Telephone
B. Maheux, Marketing Director
140 St-Barnaby St.,
Rimouski, Quebec
G5L 7E4
Tel. (418) 722-5921

Project Name: Project Videotex

Project Description: To establish and test 50 terminals in Rimouski and develop a limited data base.

Radio Payette Inc.
J. Beliveau, President
730 St-Jacques St.
Montreal, Quebec
H3C 1G2
Tel. (514) 878-4771

Project Name: Tele-Tourisme

Project Description: Page creation for tourism information and display of public and tourism-related information on large screens in the Palais de Congrès. A third aspect involves internal product inventory control.

St. Clair Videotex Design Inc.
H.D. Peter, Managing Director
40 St. Clair Ave, W., Suite 902
Toronto, Ontario
M4V 1M6
Telex: 06524591 Teltex Tor
Tel. (416) 928-8310

Project Name: Graphic Arts Services

Project Description: To apply Telidon as an adjunct to the advertising business and further develop the Telidon graphics capability as an advertising medium.

Sheridan College
T.A. Shields, President
1430 Trafalgar Road
Oakville, Ontario
L6H 2L1
Tel. (416) 845-9430

Project Name: Sheridan College Telidon

Project Description: To develop Telidon applications with local retailers and community organizations and to disseminate information about Sheridan College to the local community.

Sheridan College
T.A. Shields, President
1430 Trafalgar Road
Oakville, Ontario
L6H 2L1
Tel. (416) 845-9430

Project Name: Courseware

Project Description: To develop courseware for and conduct seminars in the nature and application of Telidon for industrial and business clients.

Sheridan College
T.A. Shields, President
1430 Trafalgar Road
Oakville, Ontario
L6H 2L1
Tel. (416) 845-9430

Project Name: Page Creation

Project Description: To train graduates of graphics, animation, illustration and computing courses in Telidon page creation techniques.

Sheridan College
T.A. Shields, President
1430 Trafalgar Road
Oakville, Ontario
L6H 2L1
Tel. (416) 945-9430

Project Name: Telidon Service and Installation Training Project
Project Description: To expand the existing micro-computer service course option to include courses on the installation, service and repair of Telidon hardware.

Tayson Information Technology Inc.
W.R. Taylor, Bay #4
1303 - 45th Avenue N.E.
Calgary, Alberta
T2E 2P3
Telex: 03822501 Teltex CO-1
Tel. (403) 230-5998

Project Name: Marketing Innovation

Project Description: To combine the IBM micro-computer with Telidon user and IPS terminals to create a stand-alone system for use by industry.

Time Shift Video Systems Ltd.
R.G. Bowles, President
520 the Palliser
133-9th Avenue, SW
Calgary, Alberta
T2P 2M3
Telex: 03822501 Teltex CGY
Tel. (403) 263-5690

Project Name: QYZ Telidon

Project Description: To establish an information system linking heavy equipment users with equipment suppliers. Information will include availability and location of equipment used in resource projects, the optimal ways by which users can obtain such, and illustrations of machinery dismantling for transportation and later re-assembly.

Toronto General Hospital
B.A.T. Pederson, V.P. Medical Affairs
101 College Street
Toronto, Ontario
K1R 7T6
Tel. (416) 595-3111

Project Name: Diagnostic Consulting

Project Description: To establish Telidon in the hospital environment in order to provide consulting and diagnostic services for hospitals as well as medical education for diagnosticians.

TV Ontario
J.H. Syrett, Project Manager
Ontario Education
Communiations Authority
Box 200 - Stn. Q, Toronto Ontario
M4T 2T1
Telex: 0623547 OECA Tor
Tel. (416) 484-2931

Project Name: Educational Telidon Network
Project Description: To create a comprehensive videotex-based career guidance services using the existing "SIGSIS" database. Subsequent expansion is planned to make TV Ontario a "content creator" for a full range of educational programs.

University of Guelph
G.A.B. Moore, Director,
Office of Educational Practice
Guelph, Ontario
N1G 2W1
Telex: 06956540 U Lib Glph
Tel. (519) 824-4140

Project Name: Telidon Project

Project Description: To use Telidon in public information programs, particularly for agricultural information, as an on-campus system and in the high school recruitment program.

University of Moncton
Gilberte Couturier Leblanc
President
Moncton, New Brunswick
E1A 3E9
Tel. (506) 858-4430

Project Name: VILEDE

Project Description: To establish a Telidon system for the university and at a later stage create Telidon pages for the university as well as the francophone community of New Brunswick.

University of Quebec in Hull
S. Landry
283 Alexandre-Taché Blvd
C.P. 1250, Station B
Hull, Quebec
J8X 3X7
Telex: 0534191 Teltex Ott
Tel. (819) 776-8454

Project Name: Educational Technology Development

Project Description: Development of new teaching aids and systems using Telidon, and development of computer-assisted learning and library applications.

Univeristy of Victoria
Dr. W.D. Godfrey
Clerihue Bldg. Rm. B314
3824 Finnerty Road
Victoria, B.C.
V8W 2Y2
Telex: 04922 UVIC VIC
Tel. (604) 721-7306

Project Name: NATAL/Telidon

Project Description: To deliver courses via Telidon using NATAL/Telidon interface.

Vidéotron Communications
M. Dufresne
Vice-President
Research and Technology
90 Beaudien St. W.
Montreal, Quebec
H2S 1V7
Telex: 05560663 TELTEX MTL
Tel. (613) 270-6031

Project Name: Home Information System

Project Description: To field test a system of integrated, multi-functional terminals using existing Vidéotron cable serving subscribers throughout Quebec. A progressive offering of multi-mode options, including Pay TV, teletext, videotex, telemetering, software, etc.

3 1761 11551210 5

Canada